

and IPsec VPN standards but is not restricted to these technologies. The invention is applicable for any IP mobility and IP security protocols as long as they are based on the same set of underlying principles.

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Fig. 7

IN THE CLAIMS:

The claims have been amended as follows:

3. Arrangement according to claim 1-~~or 2~~, wherein said first mobil IP client part (116) is controllable for activation or deactivation, and said arrangement further comprising a mobil IP detection device:

c. said mobil IP detection device adapted to activate the first mobil IP client part on detection of a connection to the inner network (105) and a successfull mobil IP registration with the inner home agent (130), and

d. said mobil IP detection device adapted to activate the second mobil IP client part on detection of a connection to the outer network (107) and a successfull mobil IP registration with the outer home agent (130).

4. Arrangement according to claim 1-~~or 2~~, wherein said first mobil IP client part (116) is controllable for activation and deactivation, and that the arrangement further comprises a mobil IP detection device arranged to activate the first mobil IP client part on detection of connection to the outer network (107) by means of at least one of a detection device selected from a group comprising:

e. a first monitoring device arranged to determine the source IP address of an incoming packet and to determine that the address is outside an address range configured for the inner network (105),

f. a second monitoring device arranged to analyze ICMP control messages and arranged to determine that an address associated with the ICMP control message is outside an address range configured for the inner network (105),  
g. a third monitoring device arranged to detect an outer home agent (102) on transmission of a registration message with improper security association, and  
h. a fourth monitoring device arranged to compare results from said first and second monitoring devices with collected history regarding MAC and IP addresses to Mobil IP Foreign Agents, Default gateways, and WLAN access points that indicate that the mobil terminal is operating in the outer network, and wherein at least one of said detection devices (a,b,c,d) is arranged to indicate that the mobil terminal (103) is connected to the outer network.

5. Arrangement according to claim 1-~~or 2~~, wherein said first mobil IP client part (116) is controllable for deactivation, and said arrangement further comprising a mobil IP detection device arranged for deactivating the first mobil IP client part on detection of a connection to the outer network (107) by means of at least one of a detection device selected from:  
e. a first monitoring device arranged to determine the source IP address of an incoming packet and arranged for detecting that the address is inside an address range figured for the inner network (105),  
f. a second monitoring device arranged to analyze ICMP control messages and arranged to detect that an address associated with the ICMP control message is inside an address range configured for the inner network (105),  
g. a third monitoring device arranged to detect an inner home agent (130) on transmission of a registration message with incorrect security association, and

h. a fourth monitoring device arranged to detect inconsistencies in results from the first, the second and the third monitoring devices and collected history regarding MAC and IP addresses to Mobil IP Foreign Agents, Default Gateways, and WLAN access points that indicate that the mobil terminal is operating in the inner network (105), and

wherein at least one of said detection devices (a,b,c,d) is arranged to indicate that the mobil terminal (103) is connected to the inner network.

6. Arrangement according to ~~any one of the previous claims~~claim 1, wherein said arrangement further comprises, a third security client part interposed between the first and second mobil IP client parts and configurable for via a security arrangement arranged between said inner and outer networks establishing a secure connection with the inner network.

7. A mobil IP terminal, wherein said mobil IP terminal comprises an arrangement according to ~~any one of the previous claims~~claim 1.

8. A computer program product comprising a data carrier having thereon a computer program code loadable and executable in a mobil IP data communications terminal, wherein said computer program code when loaded and executed in the mobil IP data communications terminal effects the establishment of an arrangement as recited in ~~any one of claims~~claim 1 ~~through 6.~~ through 6.